

Math 127: Module C Guidelines and Homework

Please do the sections in the order given.

Unless otherwise instructed, do the Instruct section (take notes!) then proceed to Certify.

If you're unable to Certify then proceed to Practice. Practice as much as you need to in order to build your knowledge and skill enough to complete the Certify.

You MUST certify in all sections listed and you MUST do all the homework before taking the Module Exam.

Computer Lesson	Guidelines (work to be done on the computer)	Homework (work to be done out of the book)
6.1a,b	Evaluating and Simplifying Radicals: Do Instruct (as needed), Practice (as needed), Certify	6.1: page 475: 11, 15, 17, 21, 23, 37, 43, 49
6.2	Rational Exponents: Do Instruct, Practice, Certify	6.2: page 486: 1, 3, 5, 6 (not a real number), 9, 13, 15, 19, 27, 29, 31, 57, 63, 67, 79, 81, 83, 85, 87
6.6	Complex Numbers: Do Instruct, Practice, Certify	6.6: page 522: 1, 3, 7, 9, 11, 17, 19, 23, 25, 31, 39, 45, 53, 55
6.7	Multiplication and Division of Complex Numbers Do Instruct (as needed), Practice (as needed), Certify	6.7: page 529: 13, 19, 23, 25, 31, 33, 37, 43, 47, 49, 51, 53
7.1a, b	7.1a: The Square Root Method Do Instruct, Practice (as needed), Certify 7.1b: Completing the Square Do Instruct, Practice (as needed), Certify	7.1: page 558: 1, 5, 9, 11, 15, 21, 25, 29, 33, 43, 45
7.2	The Quadratic Formula Do Instruct, Practice (as needed), Certify	7.2: page 567: 1, 5, 9, 13, 17, 31, 35, 41, 45, 51, 57, 61, 63, 65
7.3	Applications Do Instruct, Practice (as needed), Certify	7.3: page 574: 1, 7, 11, 13, 15, 19, 39, 41
7.4	Equations in Quadratic Form Do Instruct (DON'T SKIP INSTRUCT), Practice (as needed), Certify	7.4: page 584: 1, 9, 11, 13, 15, 17, 19, 41, 43
2.4	Introduction to Functions Do Instruct (DON'T SKIP INSTRUCT , especially pages 16, 18 and 19), Practice (as needed), Certify	2.4: page 158: 1, 3, 5, 13, 15, 17, 21, 23, 25, 35, 37, 39, 41, 42 $(-\infty, 2]$, 44 $(-\infty, 3) \cup (3, \infty)$ 71 (answer: (a) is the only function with no restrictions because it doesn't have a denominator (so no division by zero restriction) and it doesn't have a square root (so no restriction to keep the radicand positive).
7.5	Quadratic Functions: Parabolas Do Instruct (DON'T SKIP INSTRUCT , especially pages 14, 16, 17 and 18), Practice (as needed), Certify	7.5: page 600: 1, 5, 9, 11 – 17 odd, 25 – 39 odd, 45, 47
Module C Exam Review	Only Scientific Calculators (non-graphing) may be used on the Module Exams.	Review: page 181: 63 – 77 ODDS page 541: 1 – 12 ALL, 26a, 28 – 36 ALL, 38 page 631: 1 – 14 ALL, 23 – 26 ALL, page 630: 79 page 631: 15 – 19 ALL Memorize the Quadratic Formula, the formula for the Discriminant and the formula for the Standard Form of a Quadratic Function (parabola).